



320346

## ESI PRIORITIZATION QUESTIONNAIRE

Site Name: Granite City Steel ID#: ILD980606917  
Date Prepared: September 16, 1991 Prepared By: Tony Dominic of E & E  
Site Location: 20th and State Streets, Granite City, Madison County, Illinois.  
(approximately sec. 24, T.3 N., R.10 W. and sec. 19 and 20, T.3 N., R.9 W.)

**Brief Site History:** Granite City Steel (GCS), a Division of National Steel, has operated the GCS site since 1878. GCS is an integrated iron and steel mill. GCS's primary product is hot or cold rolled steel coils. Molten iron is produced in two blast furnaces, while steel is produced by two basic oxygen furnaces. Molten steel produced at the basic oxygen furnace shop is either sent to the continuous caster to be directly cast into slabs or is poured into molds for the production of ingots. There is a sinter plant on site that is not active. Fuels utilized at this facility for the coke ovens, reheat furnaces, soaking pits, boilers, and various small fuel combustion sources are blast furnace gas, coke oven gas, natural gas, and #6 fuel oil. FIT performed a site inspection at the facility on November 15, 1984. The purpose of the site inspection was to investigate the GCS industrial landfill. During 1988 GCS experienced several problems with their spent pickle liquor (SPL) tanks. These problems resulted in several spills of the SPL. The tanks were surrounded by an earthen dike which prevented continued spread of the SPL. GCS has several surface water discharges into Horseshoe Lake which are governed by Illinois Environmental Protection Agency (IEPA) NPDES Permit IL0000329. GCS operates a industrial landfill on-site. The landfill consists of two sections; a closed north section and active south section. The solid waste management site, south section, accepts only non-hazardous waste, construction debris, and general refuse from the GCS facility. The active south section is regulated by the IEPA Permit 1988-07-0P. A liner is present in the south section of the landfill. The closed north section is capped with two feet of soil. GCS had a closure /post closure permit application prepared for the the north section of the landfill by Warzyn Engineering in July 1989. The GCS site is an active facility that has RCRA inspections regularly.

Superfund Preliminary Assessment PA Date (State): 3/8/84 PA Rating: medium  
Hazardous Substances of Concern:

Migration Pathway(s) of Concern:

Type of Documentation of Hazardous Substances:

Superfund Site Inspection Date of Inspection (FIT): 11/15/84  
Migration Pathways Investigated:  
No migration pathways were investigated.

Type/Contaminants of Concern Found for each Migration Pathway:  
NONE - No samples were taken, or air monitoring performed, at the GCS Site.

Data Gaps/Migration Pathways not Investigated:  
Data gaps are found in the groundwater, surface water, soil exposure, and air pathways.

Superfund HRS Score: NONE  
Actual SI Score: NONE Projected HRS Score: 10.86  
SSI Rating or Recommendation: NONE

Target Populations:

Distance to nearest public water supply source (well): UNKNOWN

Distance to nearest private water supply source: 1.1 miles SE of site

Provide population estimates for the following pathways:

**Groundwater**

0-1/4 mile: 0  
1/4-1/2 mile: 0  
1/2-1 mile: 0  
1-2 miles: 12  
2-3 miles: 531  
3-4 miles: UNKNOWN

**Soil Exposure**

On-site: 4000 (employees)  
0-1/4 mile: 0  
1/4-1/2 mile: 0  
1/2-1 mile: ~2918

**Air**

0-1/4 mile:	4000	1-2 miles:	~11672
1/4-1/2 mile:	0	2-3 miles:	~19453
1/2-1 mile:	~2918	3-4 miles:	~27234

**Surface Water**

Distance to nearest intake: 4 miles      Population Served: > 66000  
Total Population served within 15 miles downstream: > 66000  
Distance to nearest Fishery: 1.5 miles      Name: Horseshoe Lake  
Distance to nearest sensitive environment: within 1/4 mile      Type: wetland  
Distance to nearest perennial Surface Water Body: 1.5 miles      Type: lake

Other (non-Superfund site inspection activities/Other Program Contacts:

Information gathered from FIT, State, and U.S. EPA files. The PRP has had a closure /post closure permit application prepared for the old section of the GCS industrial landfill by Warzyn Engineering in July 1989.

Migration Pathways Investigated:

The PRP, as part of its NPDES permits, monitors all releases into the air, surface water, and soils.

Types/Contaminants of concern found for each migration pathway:

Fecal coliforms outside NPDES limits for surface water discharge and releases of flue ash into the air have been periodically reported. There were hydrochloric acid spent pickle liquor spills to on-site soils in 1988. GCS notified the IEPA after each spill.

Is there PRP/State RI/FS or other remediation underway? (Describe):

The PRP removed the tanks and area of contaminated soil from the hydrochloric acid spent pickle liquor spills. The PRP has remediated other on-site chemical spills as they have occurred.

State Comment/Recommendation (to be completed by State):